What is claimed is:

1.      A method of concealing an error in a frame of a video sequence, the video sequence comprising at least a first scene and a second scene, the second scene having a scene

5      transition from the first scene, wherein the scene transition comprises a number of frames and the scene transition is one of a number of types, said method comprising:

      identifying the type of scene transition; and

      applying an error concealment procedure to conceal an error in a frame belonging to the transition based on the identified type of scene transition.

10

2.      A method according to claim 1, wherein the identified type of scene transition is a scene cut.

3.      A method according to claim 2, wherein if a whole picture belonging to the scene cut

15      is lost, the lost picture is not concealed.

4.      A method according to claim 2, wherein if part of a picture belonging to the scene cut is lost or corrupted, a spatial error concealment algorithm is applied to conceal the lost or corrupted part of the picture.

20

5.      A method according to claim 1, wherein the identified type of scene transition is a gradual scene transition.

6.      A method according to claim 5, wherein the scene transition is a fade.

25

7.      A method according to claim 5, wherein the scene transition is a dissolve.

8.      A method according to claim 5, wherein the scene transition is a wipe.

30      9.      A method according to claim 5, wherein if a whole picture belonging to the gradual transition is lost or corrupted, a spatio-temporal error concealment algorithm is applied to conceal the lost or corrupted part of the picture.

10. A method according to claim 5, wherein if part of a picture belonging to the gradual transition is lost or corrupted, a spatio-temporal error concealment algorithm is applied to conceal the lost or corrupted part of the picture.

5

11. A method according to claim 1, wherein information indicative of the identified scene transition is provided to a decoder in a supplemental enhancement information message so as to allow the decoder to conceal the error based on said information.

10   12. A method according to claim 11, wherein said information indicative of the identified scene transition includes an indication of a scene transition type.

13. A method according to claim 11, wherein said information indicative of the identified scene transition is provided for each frame belonging to the transition.

15

14. A video coding device for encoding a video sequence into a data stream, the video sequence comprising at least a first scene and a second scene and having a scene transition from the first scene, wherein the scene transition comprises a number of frames and the scene transition is one of a number of types, said video coding device comprising:

20        means for identifying frames associated with the transition;
          means for providing information about the type of transition.

15. A video coding device according to claim 14, wherein said information is provided in a supplemental enhancement information message.

25

16. A video coding device according to claim 15, wherein said information is provided for each frame belonging to the transition.

17. A video decoding device for decoding a video sequence from a data stream, the video

30   sequence comprising at least a first scene and a second scene and having a scene transition from the first scene, wherein the scene transition comprises a number of frames and the scene transition is one of a number of types, said video coding device comprising:

means for receiving the data stream; and

an error concealment algorithm for concealing an error in a frame belonging to the transition based on the type of scene transition.

5  18.  A video decoding device according to claim 17, wherein the type of scene transition is indicated in a supplemental enhancement information provided to the video coding device.

19.  A video decoding device according to claim 17, wherein the type of scene transition is a gradual scene transition and a whole picture belonging to the gradual scene transition is lost

10  or corrupted, said error concealment algorithm comprising a spatio-temporal error concealment algorithm for concealing the lost or corrupted picture.

20.  A video decoding device according to claim 17, wherein the type of scene transition is a gradual scene transition and a part of a picture belonging to the gradual scene transition is

15  lost or corrupted, said error concealment algorithm comprising a spatio-temporal error concealment algorithm for concealing the lost or corrupted part of the picture.

21.  A video decoding device according to claim 17, wherein the type of scene transition is a scene cut and a part of a picture belonging to the scene cut is lost or corrupted, said error

20  concealment algorithm comprising a spatial error concealment algorithm for concealing error in the picture.

22.  A video decoding device according to claim 17, wherein the type of scene transition is a scene cut and a whole picture belonging to the scene cut is lost or corrupted, said error

25  concealment algorithm adapted to ignore the lost or corrupted picture.